AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A method for remotely downloading data to a selected one of a plurality of avionics line replaceable units (LRUs) on an aircraft, said method comprising:

transmitting a message wirelessly to a receiver on the aircraft identifying an LRU ~~having~~ to which data is to be downloaded;

remotely operating a software-controlled switch to electronically configure ~~selectively switching~~ a communication path between [[from]] the identified LRU [[to]] and an aircraft data services link (ADSL) in response to a command from the receiver identifying the ~~dependent upon the identified~~ LRU; and

wirelessly downloading data from the receiver to the identified LRU utilizing the ~~selectively switched~~ remotely electronically configured communication path.

2. (currently amended) A method in accordance with Claim 1 wherein the ~~selectively switched~~ remotely electronically configured communication path is an ARINC 429 communication path.

3. (currently amended) A method in accordance with Claim 2 wherein said ~~selectively switching~~ remotely operating the software-controlled switch to electronically configuring a communication path comprises ~~selectively switching~~ remotely electronically selecting one of a plurality of ARINC 429 communication paths utilizing [[a]] the software-controlled switch.

4. (original) A method in accordance with Claim 1 wherein said transmitting a message wirelessly comprises transmitting the message wirelessly utilizing a wireless spread spectrum communication link.

5. (original) A method in accordance with Claim 1 wherein said transmitting a message wirelessly further comprises transmitting an operational program configuration (OPC) file that contains criteria for automated routing.

6. (original) A method in accordance with Claim 1 further comprising triggering said wirelessly downloading data upon a triggering condition.

7. (original) A method in accordance with Claim 6 wherein said triggering condition is setting of a parking brake.

8. (currently amended) A method in accordance with Claim [[6]] 1 further comprising accumulating records of wireless downloads.

9. (original) A method in accordance with Claim 1 further comprising configuring a header file for the identified LRU to download.

10. (original) A method in accordance with Claim 1 wherein said data wirelessly downloaded comprises operational software.

11. (currently amended) An apparatus for remotely downloading data to a selected one of a plurality of avionics line replaceable units (LRUs) on an aircraft, said apparatus configured to:

receive a message wirelessly transmitted to the aircraft identifying an LRU having to which data is to be downloaded;

remotely operate an electronic switch to electronically configure selectively switch a communication path between [[to]] the identified LRU and [[to]] an aircraft data services link (ADSL) in response to the wirelessly transmitted message identifying the dependent upon the identified LRU; and

wirelessly download data to the identified LRU utilizing the selectively switched remotely electronically configured communication path.

12. (currently amended) An apparatus in accordance with Claim 11 wherein, to selectively switch remotely operate a software-controlled switch to electronically configure a communication path [[to]] between the identified LRU to an and the aircraft data services link (ADSL) dependent upon the identified in response to the wirelessly transmitted message identifying the LRU, said apparatus is further configured to selectively switch remotely electronically select one of a plurality of ARINC 429 communication paths.

13. (cancelled)

14. (original) An apparatus in accordance with Claim 11 wherein said apparatus further comprises a wireless spread spectrum transceiver configured to receive said message wirelessly.

15. (original) An apparatus in accordance with Claim 11 further configured to receive an operational program configuration (OPC) file that contains criteria for automated routing.

16. (original) An apparatus in accordance with Claim 11 further configured to trigger said wireless download of data upon a triggering condition.

17. (currently amended) An apparatus in accordance with Claim 16 configured to trigger said wireless download of data upon setting [[a of]] of a parking brake.

18. (original) An apparatus in accordance with Claim 16 further configured to accumulate records of wireless downloads.

19. (original) An apparatus in accordance with Claim 11 configured to wirelessly download operational software.

20. (currently amended) An apparatus for downloading data to a selected one of a plurality of avionics line replaceable units (LRUs) onboard an aircraft, said apparatus comprising:

a wireless radio transceiver configured to receive a message identifying at least one of said LRUs to which data is to be downloaded;

a communication management unit server responsive to a command from said wireless radio transceiver identifying the selected LRU; and

a remotely controllable software-controlled electronic switch responsive to said communication management unit server to electronically configure a data path between said wireless radio transceiver and [[a]] the selected one of said LRUs LRU for downloading of data from the wireless radio transceiver to the selected LRU.